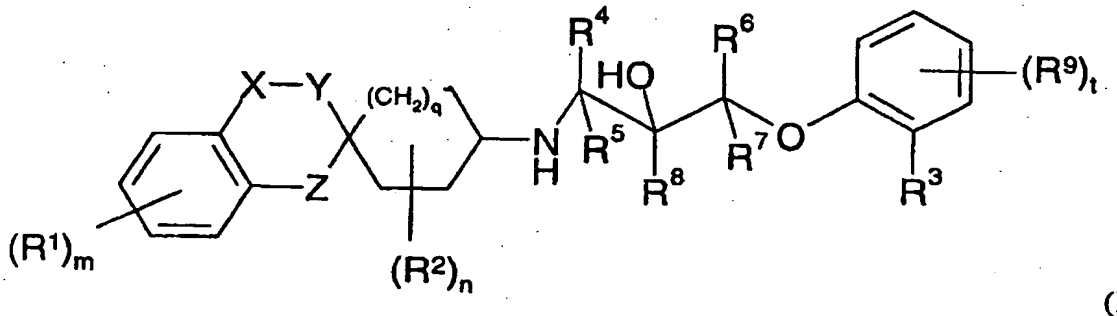
CLAIMS

1. A compound of formula



(I)

wherein

m is 0, 1, 2, 3 or 4;

each R^1 independently represents halogen, cyano, hydroxyl, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 alkoxy or sulphonamido;

either X represents a bond, -CH_2-, -O- or -C(O)- and Y represents a bond, -CH_2-, -O- or -C(O)-, or X and Y together represent a group -CH=$C(CH_3)$- or -$C(CH_3)$=CH-, and Z represents a bond, -O-, -NH- or -CH_2-, provided that only one of X, Y and Z can represent a bond at any one time and provided that X and Y do not both simultaneously represent –O- or -C(O)-;

n is 0, 1 or 2;

each R^2 independently represents halogen or C_1-C_6 alkyl;

q is 0 or 1;

R^3 represents -$NHC(O)R^{10}$, -$C(O)NR^{11}R^{12}$ or -$COOR^{12a}$;

R^4, R^5, R^6, R^7 and R^8 each independently represent a hydrogen atom or a C_1-C_6 alkyl group;

t is 0, 1 or 2;

each R^9 independently represents halogen, cyano, hydroxyl, carboxyl, C_1-C_6 alkoxy, C_1-C_6 alkoxycarbonyl, C_1-C_6 haloalkyl, or C_1-C_6 alkyl optionally substituted by at least one substituent selected from carboxyl and C_1-C_6 alkoxycarbonyl;

R^{10} represents a group C_1-C_6 alkyl, C_2-C_6 alkenyl, C_3-C_6 cycloalkyl, adamantyl, C_5-C_6 cycloalkenyl, phenyl or a saturated or unsaturated 5- to 10-membered heterocyclic ring system comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur, each of which may be optionally substituted by one or more substituents independently selected from nitro, hydroxyl, oxo, halogen, carboxyl, C_1-C_6 alkyl, C_1-C_6 alkoxy, C_1-C_6 alkylthio, C_1-C_6 alkylcarbonyl, C_1-C_6 alkoxycarbonyl, phenyl and -NHC(O)-R^{13}, or

R^{10} represents a group $-NR^{14}R^{15}$ or $-O-R^{16}$;

R^{11} and R^{12} each independently represent (i) a hydrogen atom, (ii) a 3- to 6-membered saturated or unsaturated ring optionally comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur and optionally further comprising a bridging group, the ring being optionally substituted with at least one substituent selected from halogen, hydroxyl, C_1-C_6 alkyl, C_1-C_6 hydroxyalkyl and C_1-C_6 haloalkyl, (iii) a C_1-C_6 alkyl group optionally substituted by at least one substituent selected from halogen, amino, hydroxyl, C_1-C_6 haloalkyl, carboxyl, C_1-C_6 alkoxy, C_1-C_6 alkoxycarbonyl, C_1-C_6 alkylcarbonylamino and a 3- to 6-membered saturated or unsaturated ring optionally comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur and optionally further comprising a bridging group, the ring being optionally substituted with at least one substituent selected from halogen, hydroxyl, oxo, C_1-C_6 alkyl, C_1-C_6 hydroxyalkyl and C_1-C_6 haloalkyl, or (iv) C_1-C_6 alkylsulphonyl, or

R^{11} and R^{12} together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring that optionally further comprises a ring nitrogen, oxygen or sulphur atom and that is optionally fused to a benzene ring to form a 8- to 11-membered ring system, the heterocyclic ring or ring system being optionally substituted with at least one substituent selected from halogen, hydroxyl, amido, C_1-C_6 alkyl, C_1-C_6 hydroxyalkyl, C_1-C_6 alkoxy, C_1-C_6 alkoxycarbonyl, C_1-C_6 haloalkyl, C_1-C_6 alkylamino, di-C_1-C_6 alkylamino, C_1-C_6 alkylcarbonyl, C_1-C_6 alkylcarbonylamino, C_1-C_6 alkylaminocarbonyl, di-C_1-C_6 alkylaminocarbonyl, phenyl, halophenyl, phenylcarbonyl, phenylcarbonyloxy and hydroxydiphenylmethyl;

R^{12a} represents a hydrogen atom or a C_1-C_6 alkyl group;

R^{13} represents a C_1-C_6 alkyl, amino or phenyl group;

R^{14} and R^{15} each independently represent a hydrogen atom, or a group C_1-C_6 alkyl, C_1-C_6 alkylsulphonyl, phenyl or a saturated or unsaturated 5- to 10-membered heterocyclic ring system comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur, each group being optionally substituted as defined above for R^{10}, or

R^{14} and R^{15} together with the nitrogen atom to which they are attached form a 4- to 7-membered saturated heterocyclic ring that optionally further comprises a ring nitrogen, oxygen or sulphur atom, the heterocyclic ring being optionally substituted by at least one hydroxyl; and

R^{16} represents a hydrogen atom, or a group C_1-C_6 alkyl, phenyl or a saturated or unsaturated 5- to 10-membered heterocyclic ring system comprising at least one ring heteroatom selected from nitrogen, oxygen and sulphur, each group being optionally substituted as defined above for R^{10};

or a pharmaceutically acceptable salt or solvate thereof.

2. A compound according to claim 1, wherein X and Y have the meanings shown in the following table:

X	Y
bond	O
O	bond
CH_2	bond
bond	CH_2

3. A compound according to claim 1 or claim 2, wherein Z represents -O- or -CH_2-.

4. A compound according to any one of claims 1 to 3, wherein q is 1.

5. A compound according to any one of claims 1 to 4, wherein R^3 represents $-NHC(O)R^{10}$ or $-C(O)NR^{11}R^{12}$.

6. A compound according to any one of claims 1 to 5, wherein t is 1 and R^9 is located in the *para* position with respect to R^3.

7. A compound according to claim 1 selected from:

2-({(2S)-3-[(5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl}oxy)-4-hydroxy-*N*-methylbenzamide,

N-2-({(2S)-3-[5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl}oxy)-4-fluorophenyl]acetamide,

2-({(2S)-3-[(5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl}oxy)-*N*-methylbenzamide,

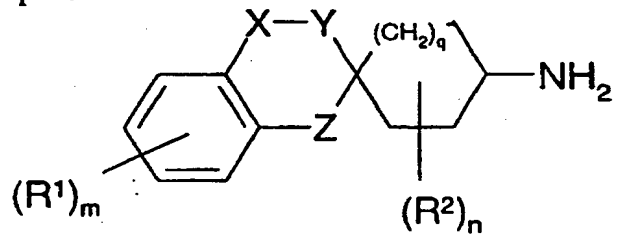
N-[2-({(2S)-3-[(5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxypropyl}oxy)-4-hydroxyphenyl]acetamide,

N-[2-({(2S)-3-[(5-Chloro-3*H*-spiro[1-benzofuran-2,1'-cyclohexan]-4'-yl)amino]-2-hydroxy-2-methylpropyl}oxy)-4-hydroxyphenyl]acetamide (trifluoro acetate),

and pharmaceutically acceptable salts and solvates of any one thereof.

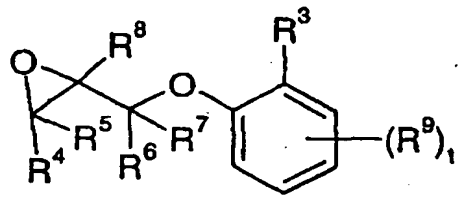
8. A process for the preparation of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as defined in claim 1 which comprises,

(a) reacting a compound of formula



(II)

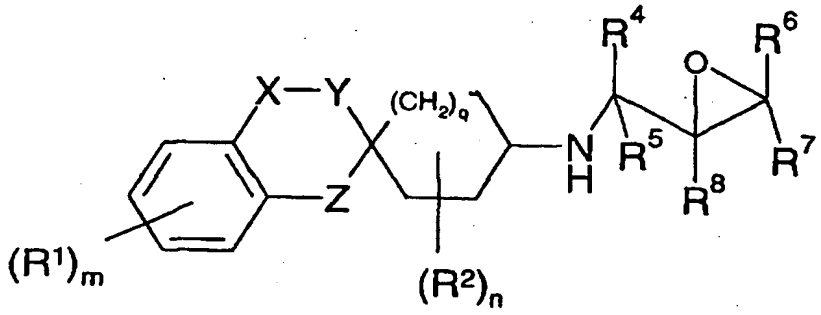
wherein m, R^1, n, R^2, q, X, Y and Z are as defined in formula (I), with a compound of formula



(III)

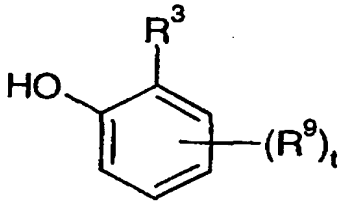
wherein R^3, R^4, R^5, R^6, R^7, R^8, t and R^9 are as defined in formula (I); or

(b) reacting a compound of formula



(IV)

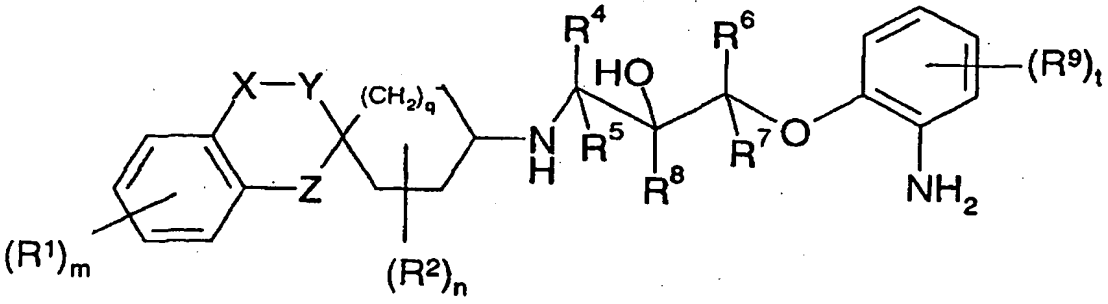
wherein m, R^1, n, R^2, q, X, Y, Z, R^4, R^5, R^6, R^7 and R^8 are as defined in formula (I), with a compound of formula



(V)

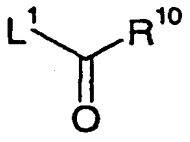
wherein R^3, t and R^9 are as defined in formula (I), in the presence of a suitable base; or

(c) when R^3 represents -NHC(O)R^{10}, reacting a compound of formula



(VI)

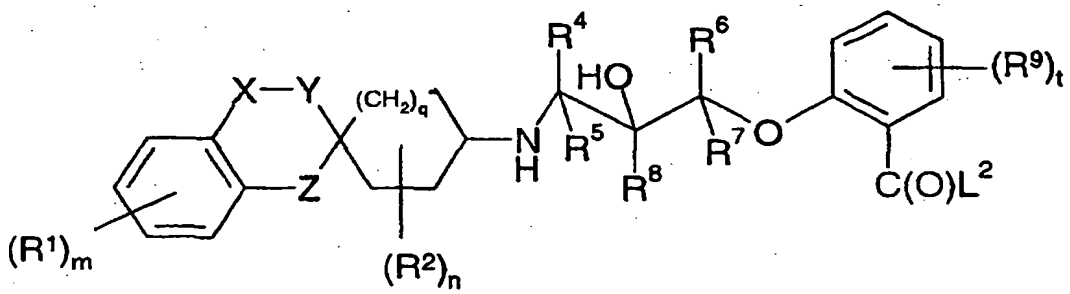
wherein m, R^1, n, R^2, q, X, Y, Z, R^4, R^5, R^6, R^7, R^8, t and R^9 are as defined in formula (I), with a compound of formula



(VII)

wherein L^1 represents a leaving group and R^{10} is as defined in formula (I); or

(d) when R^3 represents -C(O)$NR^{11}R^{12}$, reacting a compound of formula



(VIII)

wherein L^2 represents a leaving group and m, R^1, n, R^2, q, X, Y, Z, R^4, R^5, R^6, R^7, R^8, t and R^9 are as defined in formula (I), with a compound of formula (IX), $NHR^{11}R^{12}$, wherein R^{11} and R^{12} are as defined in formula (I); or

(e) when R^3 represents -NHC(O)R^{10}, R^{10} represents –$NR^{14}R^{15}$ and R^{14} and R^{15} both represent hydrogen, reacting a compound of formula (VI) as defined in (c) above with potassium cyanate;

and optionally after (a), (b), (c), (d) or (e) forming a pharmaceutically acceptable salt or solvate.

9. A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in association with a pharmaceutically acceptable adjuvant, diluent or carrier.

10. A process for the preparation of a pharmaceutical composition as claimed in claim 9 which comprises mixing a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 with a pharmaceutically acceptable adjuvant, diluent or carrier.

11. A compound of formula (I) or a pharmaceutically-acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 for use in therapy.

12. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for the treatment of human diseases or conditions in which modulation of chemokine receptor activity is beneficial.

13. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating rheumatoid arthritis.

14. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating chronic obstructive pulmonary disease.

15. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating asthma.

16. Use of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7 in the manufacture of a medicament for use in treating multiple sclerosis.

17. A method of treating an inflammatory disease which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7.

18. A method of treating an airways disease which comprises administering to a patient in need thereof a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof as claimed in any one of claims 1 to 7.